

ABSTRACT

A switch for switching over a propagation path of external signal by attracting or repelling a movable member to or from an electrode. The switch comprises an input port for inputting an external signal, a movable member connected to the input port, a first electrode for propagating the external signal, a first control power supply connected to the first electrode and for generating a control signal, a second electrode for blocking the external signal, and a second control power supply connected to the second electrode and for generating a control signal. The first control power supply provides a control signal to the first electrode. The movable member is displaced by a driving force generated based on a potential difference between the movable member and first electrode and a potential difference between the movable member and second electrode, thereby being attracted to the first or second electrode.